

## Report of Analysis

|                    |                        |                 |         |
|--------------------|------------------------|-----------------|---------|
| Client:            | Earth Engineering Inc. | Date Collected: |         |
| Project:           | Reserve Turgyan Farms  | Date Received:  |         |
| Client Sample ID:  | PB169207BS             | SDG No.:        | Q2818   |
| Lab Sample ID:     | PB169207BS             | Matrix:         | Solid   |
| Analytical Method: | NJEPH                  | % Solid:        | 100     |
| Sample Wt/Vol:     | 30.01 Units: g         | Final Vol:      | 2000 uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_NF  |
| Prep Method :      |                        |                 |         |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 08/12/25 08:45 | 08/12/25 21:08  | PB169207      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 21.6  |           | 1        | 1.18 | 2.00       | mg/kg             | FC069645.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 54.7  |           | 1        | 0.91 | 4.00       | mg/kg             | FC069645.D |
| Total AliphaticEPH | Total AliphaticEPH | 76.3  |           |          | 2.09 | 6.00       | mg/kg             |            |
| Total EPH          | Total EPH          | 76.3  |           |          | 2.09 | 6.00       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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| Lab Sample ID:     | PB169207BS             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_NF               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC069645.D | 1         | 08/12/25    | 08/12/25        | PB169207      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 54.7  |           | 0.91     | 4.00       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 21.6  |           | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 35.0  |           | 40 - 140 | 70%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 32.9  |           | 40 - 140 | 66%        | SPK: 50 |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB169207BS | Acq On:            | 12 Aug 2025 21:08 |
| Client Sample ID: | PB169207BS | Operator:          | YP/AJ             |
| Data file:        | FC069645.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 19                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.296  | 6.594  | 20618159  | 142.509 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.595  | 9.998  | 27575514  | 192.251 | 200              | ug/ml |
| Aliphatic C16-C21         | 9.999  | 13.367 | 29064386  | 217.611 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.368 | 17.032 | 31693756  | 267.892 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.033 | 22.008 | 30957145  | 324.787 | 600              | ug/ml |
| Aliphatic EPH             | 3.296  | 22.008 | 139908960 | 1150    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.665 | 11.665 | 4914195   | 32.94   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.100 | 13.100 | 3814315   | 34.99   |                  | ug/ml |
| Aliphatic C9-C28          | 3.296  | 17.032 | 108951815 | 820.263 | 1200             | ug/ml |